YHT-585B

6.1 Channel Home Theatre Package

NEW PRODUCT BULLETIN

With serious sound performance and user-friendly features, the YHT-585B is the ultimate centre piece for the mid-range home theatre system.

CINEMA DSP DIGITAL · SILENT CINEMA · DIGITAL ToP·ART · DOLBY DIGITAL·EX PRO LOGIC IIx · 6CH EXT. INPUT · dts Digital Surround Neo:6 | 96/24 | ES · Advanced YST · Made for iPod

1 Advanced Facilities

- Compressed Music Enhancer
- Compatible with iPod via optional Yamaha YDS-10S
- Front panel mini jack for portable player connection
- On-screen display

2 High Sound Quality

- 6.1-channel, powerful surround sound: 570W=95W x 6 RMS; 810W=135W x 6 Max
- Digital ToP-ART and High Current Amplification
- Direct Stereo for high quality 2-channel sound reproduction
- 192kHz/24-Bit DACs for all channels

3 High Picture Quality

- HDTV compatible 3 component video inputs
- Component video up-conversion
- Digital video processing with TBC (Time Base Corrector)

4 Superior Speaker Design

- Floor standing Speaker Design
- Dual 16cm Cone Woofers and 3cm Dome Tweeter
- High Sensitivity (90dB/2.83V/1m) and Wide Dynamic Range Design for Contemporary A/V and Hi-Fi Sources
- Magnetic Shielding allows placement near a TV
- 240W High Power Input Capacity

YHT-585B Main Specifications

Receiver (HTR-5950S)

Minimum RMS Output Power	
(8 ohms, 20 Hz—20 kHz, 0.06% THD)	
Front L/R Channels	95 W + 95 W
Centre Channel	95 W
Surround L/R Channels	95 W + 95 W
Surround Back Channel	95 W
Dynamic Power (1 kHz)	
8/6/4/2 ohms	130/165/195/240 W
Total Harmonic Distortion (CD, Front Sp Out)	
(50 W/8 ohms)	0.06%
Dimensions (W x H x D)	435 x 161 x 391 mm
Weight	10.5 kg

Speakers—Fronts (NS-50FB)

Design	2-way bass-reflex
Woofers	Dual 16cm cone
Tweeter	3cm dome
Frequency Response	35 Hz–35 kHz
Input Power	
Maximum	240 W
Nominal	80 W
Sensitivity	90 dB/2.83 V/1 m
Impedance	6 ohms
Dimensions (W x H x D)	233 x 880 x 271 mm
Weight	12.5 kg

Speakers—Surrounds (NS-P70B)

	Centre	Surrounds
Woofer	2x10cm Woofer	10cm Woofer
Tweeter	2.2cm dome	2.2cm dome
Input Power	180W/60W	150W/50W
Frequency Response	70 Hz–30 kHz	80 Hz-30kHz
Impedance	6 ohms	6 ohms
Dimensions (W x H x D) (mm)	465x135x 174	150x 265x156
Weight	3.5 kg/unit	2.3 kg/unit

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High Quality Sound

Digital ToP-ART and High Current Amplification

The Digital ToP-ART design concept combines the latest and best technologies, parts and circuit designs to maximize sound quality. High Current Amplification uses superior components to achieve high current power with low impedance from power supply circuit to speaker terminals.

192kHz/24-Bit DACs for All Channels

This receiver uses extremely high performance 192kHz/24-bit DACs for all channels. They perform accurate sound field reproduction for high quality multi-channel sources, and for two-channel stereo, provide outstanding separation and precise musical delineation. They deliver superior low level linearity with excellent full-scale performance.

High Picture Quality

HDTV Compatible 3 Component Video Input Terminals (Fixed and Assignable)

This model has three component video inputs instead of the usual one or two. You can enjoy three different sources without having to change connections.

Component Video Up-Conversion

Component video up conversion (composite to S-Video and component, S-Video to component) as well as down video conversion (S-Video to composite) is automatically applied to incoming signals.

Digital Video Processing with TBC

Analogue Devices' high performance encoder and decoder digitally processes the video signal to ensure high image quality. A Time Base Corrector (TBC) eliminates time base errors such as curved or bent lines that should be straight.

Surround Realism

High Performance CINEMA DSP LSI

This receiver uses Yamaha's recently developed LSI with 64-bit floating point quantization processing, for high speed, high density digital sound field processing.

Quad-Field/Tri-Field CINEMA DSP and 14 Surround Programmes

Yamaha's ultra-sophisticated Quad-Field and Tri-Field CINEMA DSP technology creates thrillingly realistic sound scapes in your room. 14 surround programmes provide full format compatibility and extensive listening choices.

Advanced Facilities

Compressed Music Enhancer

When music is encoded in a digital compressed format such as MP3, frequency response suffers in the high and low ranges. Yamaha employs sophisticated digital signal processing with our exclusive algorithms to enable playback that improves compressed music quality.

On-Screen Display

The receiver displays operating status, iPod operating commands and radio information (varies by area) on the screen. This is very convenient, because you can change the receiver settings while viewing the screen.

Speaker Design

Dual 16cm Cone Woofers and 3cm Dome Tweeter

The cone woofer used in the previous model in this series has been refined for higher performance and even the blend of the cone has been improved. The soft dome tweeter has a strong frame for stable performance and will reproduce vocals and high range sounds with virtually no distortion.

High Sensitivity and Wide Dynamic Range

The NS-50F has an extremely high sensitivity of 90dB/2.83V/m and a wide dynamic range, ensuring accurate reproduction of the latest digital sources.

Magnetic Shielding Allows Placement Near a TV

Magnetic shielding means there is no distortion-causing interference when the speaker is placed near a TV or other monitor.

240W High Power Input Capacity

Its dual 16cm woofer design enables the NS-50F to handle a huge 240W of input power, so you'll hear the loudest peaks in movies and rock music with ideal clarity.

Other Notable Features

- Front panel video aux terminals
- Night Listening Enhancer (Cinema and Music) and SILENT CINEMA
- Virtual CINEMA DSP
- Audio Delay for adjusting lip-sync (0–160ms)
- Preset remote unit with illuminated input indicators
- Sleep timer
- 40-station preset tuning
- Auto preset tuning

Universal Dock for iPod

YDS-10S

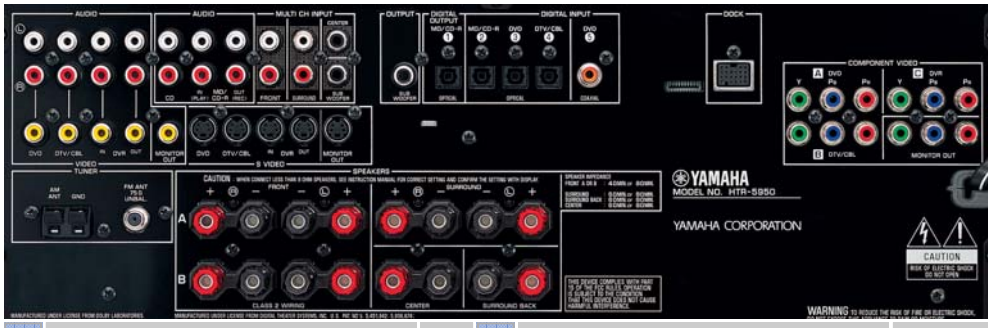
The optional YDS-10S Universal iPod Dock lets you connect your iPod to this receiver. You can listen to your iPod music and watch iPod photos and movies on your monitor via the receiver's remote control with the On-Screen Display and charge your iPod.

Works with:

- iPod Nano
- iPod mini
- iPod (Click Wheel models)

Made for iPod

* iPod not included



Inputs	Dock Terminal for YDS-10S	1	Outputs	Analogue AV / Audio	1/1
	Optical Digital (Fixed and Assignable)	3		Optical Digital (Fixed and Assignable)	1
	Coaxial Digital (Fixed and Assignable)	1		S-Video	1
	S-Video	3		Component Video (Fixed and Assignable)	1
	Analogue AV / Audio*	4/2		S-Video / Composite Monitor	1/1
	Component Video (Fixed and Assignable)	3		Speaker (without subwoofer)	6ch/8ter.
	Multi-Channel External Decoder	6ch		Subwoofer	1

*Including front panel Video Aux terminals